



**Supplementary Figure S1** Most relevant clinical characteristics of patients for each MRI finding. Variables in the final model were reported. Variables with  $P < 0.05$  are highlighted in light green. ADM, amyopathic dermatomyositis; CK, creatine kinase; DM, dermatomyositis; Gd-T1WI, gadolinium-enhanced fat-suppressed T1-weighted imaging; HSI, high signal intensity; IIM, idiopathic inflammatory myopathy; PM, polymyositis; SHSI, strong high signal intensity; STIR, short-tau inversion recovery.